



ASPM'S  
**K T PATIL COLLEGE OF NURSING,  
DHARASHIV**

**In Collaboration With  
IMETTT , Maharashtra University of Health Sciences,  
Nashik.**

**Organizing**

**THREE DAY'S WORKSHOP  
ON  
BASIC RESEARCH  
METHODOLOGY**



**20<sup>th</sup> January To 22<sup>nd</sup> January 2025**

**For Registration :-  
On MUHS Portal :-**

[https://intranet.muhs.ac.in/workshop\\_schedule\\_display.aspx](https://intranet.muhs.ac.in/workshop_schedule_display.aspx)

**Google Form :-**

<https://docs.google.com/forms/d/e/1FAIpQLScjF4TGsh8JGTYX8ge9ZrITFQgkOqMmKmHpBVyN3cu2HPosbw/viewform?usp=sharing>

**Or Scan the QR Code For Registration**



**Registration Fees : For Faculty - INR 3500/-**

**For Student - INR 3500/-**

**Registration fees includes:** 3 Days Breakfast, Lunch, Evening Tea, Training & Certification and Workshop Kit

**About ASPM**

Adarsh Shikshan Prasarak mandal was established in 1962 to serve the needy and weaker section in the society . the trust today run several institutions from KG to PG in various department such as, pharmacy, paramedical, engineering, business management, CBSE, health sciences courses. however the trust felt that human service should be rendered to the people by preparing nurses to meet the health demands and thus the school and college of nursing were established. K.T. Patil College of Nursing was established in the year 2009 to promote nursing education, which is a pivot in the health care delivery system and it aids in the progress of research in the field of nursing.

**About the Maharashtra University of health sciences (MUHS) Nashik**

The state Government of Maharashtra has established and incorporated an independent University of the health Sciences for the purposes of ensuring proper and systematic instruction, teaching, training and research in modern medicine and Indian system of medicine in the State of Maharashtra and to have balanced growth in the medical sciences so also in uniformity in various courses in medical faculty in the State, and to provide for matters connected therewith and incidental thereto. It was with this objective the Maharashtra University of Health Sciences was established in Nashik city of Maharashtra State on 03rd June 1998 by promulgating the Maharashtra University of Health Sciences Act, 1998. However since inception, the foundation is celebrated on 10th June, every year. Initially, the University was functional at Gangapur Road, Nashik. In 2004 University headquarters shifted to Mhasrul, Dindori Road, Nashik at its own building. The Maharashtra University of Health Sciences (MUHS) is guided by a strategic agenda providing right direction to the health science education in the State. Its consistency of purpose, its goal and mission will no doubt help health science education and thus health & education services to reach a high level of elevation.

**The objective of the workshop**

The workshop aims to bring together faculties, researchers, and research scholars to exchange and share their experiences and research results on all aspects of Research Methodologies and data analysis. It also provides a premier interdisciplinary platform for researchers and educators to present and discuss the most recent innovations, methods , concerns, practical challenges encountered, and solutions adopted in qualitative and quantitative research methods and data analysis. The workshop is also intended to strengthen scholars, researchers, and faculties in analytical skills by providing a blend of conceptual learning and hands-on practical sessions on statistical software like R, STATA, SPSS, and qualitative data analysis of tware N Vivo & QGIS geospatial at a analysis software. These analytical skills help the researcher in their research work and research dissemination.

**The expected outcome of the workshop**

At the end of the workshop, the participants would be able to:

- Understand the different methods of Qualitative and Quantitative research
- Understand the different Sampling Techniques & Sample Size Determination
- Introduction and work on the statistical data analysis software's like SPSS, STATA, and R
- Introduction and hands-on practice on Qualitative data analysis using NVivo software
- Understand the QGIS geographic information system application that supports viewing , editing, and analysis of geospatial data
- Understanding and knowledge about the dissemination process in a good impact actor peer-reviewed journal

**Methodology**

The methodology of the workshop will be in offline mode and comprise : offline lecture

- Participatory discussion with Q& A
- Demonstrations
- Exercises and data analysis sessions using SPSS / STATA / R software Exercises and data analysis

## The course content of the workshop

### Day One-20/01/2025

S.N	Topic	Method	Facilitator	From -To
1	Registration, Breakfast and Pre-Test	-	-	9:00 am-10:00 am
2	L-1: Introduction to Research Methodology	Lecture	Dr. Anand Madgundi	10:00 am -10:45 am
3	L-2 : Study Designs-1: Descriptive studies	Lecture	Dr. Anand Madgundi	10:45 am -11:30 am
4	Tea	-	-	11:30 am-11:45 am
5	L-3 : Study designs-2: Case Control and Cohort Studies	Lecture	Dr.Jaykumar Ade	11:45 am 12:30 pm
6	L-4 : Study Designs-3: Experimental studies	Lecture	Dr.Jaykumar Ade	12:30 pm- 1:15 pm
7	Lunch	-	-	1:15 pm-1:45 pm
8	Group Activity-1: Participants will be divided into 4 -5 groups. <ul style="list-style-type: none"> <li>Each group will discuss among itself and come out with at-least 2 research questions and related hypothesis</li> <li>Indicate why the topic was selected by the group over other topic</li> <li>Indicate the type of study with reasons thereof</li> <li>Indicate dependent and independent variables included in the study (Tea may be served during group activity)</li> </ul>	Group Activity	Dr. Anand Madgundi	1:45 pm- 3:15 pm
9	L-5: Types of Data and Data Presentation	Lecture	Dr.Jaykumar Ade	3:00 pm- 4:15 pm
10	L-6: Literature search	Lecture	Dr.Jaykumar Ade	4:15 pm- 5:00 pm

### Day Two- 21/01/2025

S.N	Topic	Method	Facilitator	From -To
1	Breakfast & tea	-	-	9:00 am-9:30 am
2	Group Activity-2: Participants will divide into groups as was done for GA-1 and GA-2. Each group will try to search references related to topics finalized and discussed in GA-1 and GA-2	Group Activity	Dr. Ramesh Patil	9:30 am- 10:15 am
3	L-7: Questionnaire Designing	Lecture Demo	Dr.Vishal Naikare	10:15 am-11:15 am
4	L-8: Inferential Statistics	Lecture	Dr. Ramesh Patil	11:15 am-12: 30 pm
5	Group Activity-3: The groups will discuss about the inferential statistics (statistical tests) to be applied for the study design discussed in earlier group exercises.	Group Activity	Dr. Ramesh Patil	12:30 pm- 1:30 pm

6	Lunch	-	-	1:30 pm- 2:00 pm
7	L-10: Writing a research protocol	Lecture	Dr.Vishal Naikare	2:00 pm- 2:45 pm
8	L-9: Sampling: Methods & Sample size	Lecture	Dr.Vishal Naikare	2:45 pm- 3:45 pm
9	TEA	-	-	3:45 pm- 4:00 pm
10	Group Activity-4: Participants will divide into groups as in GA-1. Each group will discuss and present <ul style="list-style-type: none"> <li>Sampling method adopted for the study / studies selected in GA-1</li> <li>Discuss and present sample size determined for the study</li> </ul> Present at least 3 dummy tables generated (Tea shall be served during group activity)	Group Work	Dr.Vishal Naikare	4:00 pm - 5:00 pm

### Day Three- 22/01/2025

S.N	Topic	Method	Facilitator	From -To
1	Breakfast & tea	-	-	9:00 am-9:30 am
2	L-11: Ethical Issues In Medical Research Groups will present ethical issues in their respective studies	Lecture and Group activity	Dr. Vishwanath Biradar	9:30 am-10:45 am
3	TEA	-	-	10:45 am-11:00 am
4	L-12: Evaluation of a diagnostic test	Lecture	Dr.Sheetal Mirajkar	11:00 am-12:00 pm
5	L-13: Critical Evaluation of Journal Article	Lecture	Dr. Vishwanath Biradar	12:00pm – 1:15 pm
6	Lunch	-	-	1:15 pm – 1:45 pm
7	GA-5: Two journal articles (different study designs) will be presented and discussed by members. (Tea shall be served during the group activity.)	Group activity	Dr. Vishwanath Biradar	1:45 pm – 3:00 pm
8	L-14: Qualitative research methods	Lecture	Dr.Sheetal Mirajkar	3:00 pm – 3:45 pm
9	L-15: Computer assistance in Data Analysis Excel and EPI Info.	Lecture	Dr.Sheetal Mirajkar	3:45 pm- 4:30 pm
10	Post - Test and Valedictory	-	-	4:30 pm – 5:00 pm

### ORGANIZING CHAIRPERSON



**Dr.Gajanand R. Wale**  
Principal , KTPCON,  
BOS Member, MUHS, Nashik

### ORGANIZING SECRETARY



**Mr. J. S. Koli**  
Academic Co-ordinator ,  
KTPCON, Dharashiv

### WORKSHOP CO-ORDINATOR



**Mr. Ashok Rathod**  
Assistant Professor  
KTPCON, Dharashiv

### RESOURCE PERSON



**Dr. Vishwanath Biradar**  
Prof.cum VP ,  
MGMMTCON,Aurangabad



**Dr. Vishal Naikare**  
Professor ,  
SCON, Pune.



**Dr. Sheetal Mirajkar**  
Asso. Prof ,  
GAC, Dharashiv



**Dr. Jaykumar Ade**  
Asst. Prof ,  
SGRAC, Solapur



**Dr. Anand Madgundi**  
Asst. Prof ,  
SGRAC, Solapur



**Dr. Ramesh Patil**  
Asso. Prof ,  
AMC, Solapur